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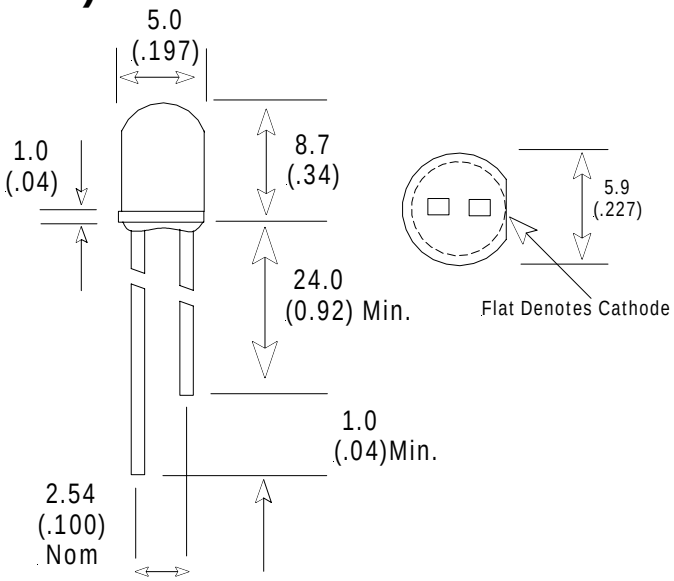
MCD Electronics Incorporated

Jameco Part Number 183222

Innovative Solutions With Light

MCDL-513SBC4 (5MM 470nm Blue 25°)

Lens Color: **Water Clear**
Lens Dimension: **5 mm**



Absolute Maximum Ratings At Ta = 25° C

Parameter	Max		Unit
DC Forward Current (mA)	**20**		**mA**
Reverse Voltage	**5**		**V**
Power Dissipation (mW)	**200**		**mW**
Continuous forward Current (mW)	**100**		**mW**
Peak Forward Current, tw ,=1 msec. Duty ,= 1/20	**500**		**mA**
Operation Temperature (°C)	**-40° -**	**+85°**	
Storage Temperature (°C)	**-40°**	**+100°**	
Solder DIP (5 seconds, 1.6 mm from body) Temperature	**260**	**± 5°C**	

Electrical Characteristics At Ta= 25°C

Symbol	Parameter	Test Cond.	Min.	Typ.	Max.	Unit
V_F	Forward Voltage	I_F = 20mA	3.20	3.60	4.30	V
I_R	Reverse Current	V_R=5V	**	**	10	µA

Part Number	Emitted Color		Peak Wavelength λ PEAK	Viewing Angle 2θ Degrees	I_V (I_F = 20mA) MCD		
					Min	Typ	Max
MCDL-513SBC4	InGaN	Blue	470	25	2,000	3,000	3,500

Notes:
1. All Dimensions are in millimeters (inches).
2. Tolerance is ± 0.25mm (0.010") unless otherwise specified.
3. Protruded resin under flange is 1.5mm (0.059") max.
4. Lead spacing is measured where the leads emerge from the package.